

ASBC Approved Methods Beer – 22A

A. Sigma value method (modified Carlsberg method)

Calculate Sigma value by the formula,

$$\text{Sigma} = \frac{t}{2.303 \log \frac{b+c}{c}}$$

Foam Collapse Rate – Sigma Value

t = time of foam collapse (between 225 and 230 sec)

b = vol of beer collapsed from foam in time t

c = vol of beer from residual foam at time t

Result

Sigma

$$\text{Sigma} = \frac{228}{2.303 \log \frac{85+19}{19}} = 134$$